

Internal Ballistics of Tube Artillery Systems and
Powder Rocket (Excerpts), by M. Ye. Serabryakov.
114 pp.

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Sistem i Porokhovykh Raket, 1962, pp 1-41; 54-57;
72-105; 697-707.

AIR/FTD-HFI-23-302-69

sci/ ussr

military

17 May 70

Interior Ballistics of Barrel-Weapons and
Solid Fuel Rockets, Third Edition. 337 pp.

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Stvol'nykh Sistem i Porokhovykh Raket,

Tret'ye Izdaniye, 1962,

ACSI I-9211

ID 2204005166

Sci-Fuels

Aug 66

308,873

INTERIOR BALLISTICS OF BORE SYSTEMS AND SOLID
FUEL ROCKETS

SEREBRYAKOV M E LANGUAGE-RU COUNTRY-UR

VNUTRENNYAYA BALLISTIKA STVOL'NYKH SISTEM I P
DROKHOVYKH RAKET

MOSCOW 1962 PP 249-259 305-310

FSTC-HT-23-2170-72

GENERAL INFORMATION ON THERMAL BURNS AND BURN
DISEASE, BY P. I. SHILOV, P. V. PILYUSHIN, 24 PP.

RUSSIAN, BK, VNUTRENNAYA PATOLOGIYA PRI OZHOGAKH,
1962, PP 5-19.

JPRS 15339

SCI - MED

OCT 62

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SOME PROBLEMS IN TREATING BURNS AND BURN
COMPLICATIONS, BY PAVEL IVANOVICH SHILOV,
PYETR VIKTOROVICH, 41 PP.

RUSSIAN, BK, VNUTRENNYAYA PATOLOGIYA PRI-
OZHOGAKH (TERMICHESKIKH), LENINGRAD, 1962,
PP 1-296.

JPRS 16422

SCI - MED

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Intraarterial Infusion of Procaine in Therapeutic Practice, by N. K. Gorbadey.

RUSSIAN, bk, Vnutriarterial'nyye Vlivaniya
Novokaina v Terapevticheskoj Klinike, Leningrad,
1959, 114 pp.

Consultants Bureau

Sci - Med

Sep 60

125,567

General Rules Governing the Solubility of Substances
in Steam, by M. A. Styrikovich, I. Kh. Khaibullin.

RUSSIAN, mono, Vnutrikotlovyye Fiziko-khimicheskiye
Protsessy, Moscow, 1957, pp 11-28.

DSIR LEU M.796

(loan)

SLA 60-13635

Sci - Chem

Aug 60

122,576

Corrosion of Water Economizers Operating on Sulfite-Treated Feed Water, by I. T. Deyev.

RUSSIAN, per, Vnutrikotlovye Fiz-Khim Protsessy,
Ak Nauk SSSR, Energet Inst im G. M. Krzhizhanovskogo,
1957, pp 334-338.

ATS RJ-2065

Sci - Chem
Dec 59

104,063

Intra-Boiler Physico-Chemical Processes, Pretreatment
of Water and Water Systems of Boilers at Large and
Extra-Large Electrical Plants, 3 pp.

RUSSIAN, bk, Vnutrikotlovye Fiziko-Khimicheskiye
Protsessy, Vodopodgotovka i Vodnye Rezhimy Vody na
Elektrostantsiyakh Vysokikh i Sverkhvysokikh Parametrov,
1957, 594 pp. 9676880 (*Salte of contents*)

Navy / NRL 830

Sci

May 62

Intrafactory Planning and the Technical, Industrial
and Financial Plan of an Industrial Enterprise,
by D. I. Sankin, 61 pp.

RUSSIAN, bk, Vnutrizavodskoye Planirovaniye i
Tekhpromfinplan Promyshlennogo Predpriyatiya
(Seriya III), 1958, 48 pp.

ATTC MEL-216/III

USSR
Econ
Nov 59

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Internal Stresses in Wood During its Drying,
by B. N. Ugolev.
RUSSIAN, bk, Vnytnenno naptiasheniya v drevesine
pri ee suzhenii. -- Moskva, Goslesbimizdat, 1959,
116 pp.
*CSFTI TT 68-50365

Sci/Mat
Feb 68

Recent Formulae for the Estimation of the Mean
Velocity of Water in Open Channels, by A. Knotek,
J. Martinec.

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DSIR/31319/CT

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Feb 58

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Water and Wind Erosion of the Soil, by
V. V. Zvonkov,
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Zemli, pp 80-85.
*CFSTI TT 67-59007

Sci-Ear Sci
Mar 67

The Moisture Properties of Soils and Grounds, by
A. A. Rode, 1957.

RUSSIAN, bk, Vodnye Svoistva Pochv i Gruntov, 1957,
pp 1-131.

OTS 60-51187
PL-480

Sci - Bio

Apr 61

146,225

PST No 30

Diary of A. F. Treshnikov for the 1954-1955 Soviet
Polar Expedition (Collection of 9 Installments), by
A. F. Treshnikov, 19 pp.

RUSSIAN, bk, Vodny Transport. ~~1954~~ 9 Jul-30 Aug 1955.

Sci Tr Center RT 368
Sci Tr Center RT-3683

36,118

Scientific - Geophysics

Jun 56/ax

New Ships of the Soviet Maritime and River
Fleets, 4 pp.

RUSSIAN, per, Vodnyy Transport, 16 Oct
1962, p 2.

JPRS 16695

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Econ
Dec 62

Summaries of Soviet Maritime Transport Operations
During 1964 and Plans for 1965, 5 pp
RUSSIAN, mp, Vodnyy transport, 26 Dec 64, p 1.
JPRS 29417

USSR
Econ
Apr 65

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(DC-2140)

Water Transportation in the People's Republic
of China, by Z. A. Shashkov, 28 pp.

RUSSIAN, per, Vodnyy Transport Kitayskoy
Narodnoy Respubliki, Vol IV, No 11, Moscow,
1958, pp 3-38.

US JPRS/DC-363

FR - China
Econ - Transportation

19 Nov 1958

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WATER SUPPLY IMPROVEMENTS IN THE USSR AND
METHODS OF FURTHERING SUCH IMPROVEMENTS,
BY S. L. MIRKIN, 512 PP.

RUSSIAN, BK, VODNYYE MELIORATSII V SSSR I PUTI
IKH RAZVITIYA, MOSCOW, 1960, PP 1-284.

JPRS 16745

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The Storage Lakes of the USSR and Their
Importance for Fishery, by P. V. Tyurin,
RUSSIAN, bk, Vodokhranilishcha SSSR i Ikh
Rybokhozyaystvennoe Znachenie, 1961, 243 pp.
CPSU TI 66-51056

Sci-Ear Sci

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The Diver. 227 pp.
RUSSIAN, bk, Vodolaz, Moscow 1959, pp 1-187.
Dept of Navy NIC Trans 2780

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mar 69

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Diving Equipment, BY F. A. Shpakovich.
RUSSIAN, bk, Vodolaznoye Snaryazheniye,
1943, pp 1-112.
Dept of Navy/NIC 2851

Sci-Mech
Aug 69

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Diving Gear and Equipment, by I. I. Kuznetsov.
RUSSIAN, bk, Vodolaznoye Snaryazheniye i
Oborudovaniye, 1962, 261 pp.
Dept of Navy NHC 2872

Sci-Tech
Sept 69

391,518

Purification and Treatment of Water
in Nuclear Reactors, by
E. S. Chernorotov, N. V. Potekhni, et al,
9 pp.
RUSSIAN, rpt., Vodoochistka
i Vodopodgotovka Na Yadernykh
Reaktorakh, Atomic Energy Institute
Imeni I. V. Kurchatov, Report III/IAE 787,
1964, pp 1-14, 9700997
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V. V. Rakhmanov,
RUSSIAN, bk, Vodookhrannaya Rol' Lesov, 1962,
pp 1-171.
CFSTI TT 66-51072

Sci-Agri
Feb 67

318,291

Water Desalination Plants for Seagoing
Vessels, by V. F. Kovalenko.
RUSSIAN, bk, Vodopressnitel'nye Ustanovki
Morskikh Sudov, Moscow, Izdatel'stvo "Trans-
port", 1964, 302 pp.
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Water and Water Treatment in Nuclear Power
Plants, by A. A. Kot,
RUSSIAN, bk. Vodopodgotovka i Vodnyi Rezhim
Atomnykh Elektrostantsiy, 1964, pp 1-295.
AEC-tr-6629

P9N103467-V

JPRS 29081 - 194 pp
* CFSTI

Sci-Nucl Sci & Techn
Feb 67

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Hydrogen and Flakes in ~~Stalk~~ Steel (Selected Part),
by D. Ya. Povolotskiy, A.N. Morozov.

RUSSIAN, bk, Vodorod i Flakany v Stali, 1959,
pp 5-16. 9661825.

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ASTIC MOL 673/1

Sci - Min/Met
Jun 61

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TD (TDSIN) 14-9-83 BT68-10-21202
Request translation check
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Galaktionova, N.A.
Russian: Vodorod v metallakh, ed ed, 1967, 1-302

*Agitation
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Hydrogen in Titanium, by V. A. Livanov and A. A.
Bukhanova, et al, 200 p.
RUSSIAN, mono, Vodorod v Titane, 1962.
IPST-2163

Sci-M&M
Jun 66

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V. V. Kucheruk, *BS*
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A USSR Conference on Problems of the Removal
of Dust from Gases and Vapors Exhausted Into
the Atmosphere, By Industrial Establishments and
Ventilator Installations,

Vodosnabzheniye i Sanitarnaya Tekhnika,
No 4, pp 38-40, July 1955

RT-3 686
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10000000

Instrument for the Remote Control of Heating
Systems in Heating and Air-Conditioning Installa-
tions, by M. B. Dolmatov, 7 pp.

RESEARCH, no par, Vedomsobsheniye i Sanitsionnyy
Rezhimnik, No 6, Moscow, Sep 1955, pp 12-14.

CIA/DOE U-8996

and - Engineering, air conditioning

Oct 56 CES

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Water Supply and Sanitary Engineering

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Engr Res and D&vel Lab
Ft Belvoir, Va

Typical Filtration Plant Designs for Producing
1000, 3000 and 9000 m³ of Water per Day, by
A. G. Tuganov, 9 pp.

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No 1, Jan 1958, pp 1-9.

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Sci - Fuels
Sep 58

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Operational Tests of Rectangular Clarifiers of the
Giprokomunvodokanal Type, by I. M. Mirkis, 13 pp.

RUSSIAN, per, Vodosnabzhenie i Sanitarnaya Tekhnika,
No 1, Jan 1958, pp 6-11.

AME Lib Tr

Sci - Engineering
Sep 58

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Experimental Treatment and Disinfection of Water by
Means of Chlorine Plus Ammonia on the Water Grids of
the Harbors Trust, by T. L. Eatanov, 5 pp.

RUSSIAN, per, Vodoprovodenie i. Svarnaya Tekhnika,
No 1, Jan 1958, pp 11-13.

AMS Lib Tr

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Determination of the Penetrating Force and Location
of the Ram Head in the Soil During Puncture, by
A. S. Vazetsinov, 16 pp.

RUSSIAN, per, Vodosnabzhenie i Sanitarnaya Tekhnika
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Engr Res and Devel Lab
Ft Belvoir, Va

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Assembly of Installations for the Purification of
Small Quantities of Sewage, by G. G. Shigorin,
M. V. Kulekov. USSR

RUSSIAN, per, Vodosnabzheniye i San Tekh, No 2,
1948, pp 6-9.

DAIR Lending Library Unit
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Sci - Engg
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85,104

Ways of Improving the Water Supply in Southern
Areas of the Ukraine, by V. N. Dolinskaya, 9 pp.

RUSSIAN, per, Vodosnabzhenie i Sanitarnaya Tekhnika.
No 2, Feb 1958, pp 21-25. Publ by State Publ House
on Construction and Architectural Literature,
Moscow USSR.

AMB Lib Tr

Sci - Geophysics
Sep 58

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For Economy in the Construction of Seating Systems,
by V. K. Dyuskin. USSR

RUSSIAN, par, Volcanababeniye i San Tekh, No 2,
1958, pp 26-29.

DSIR Lending Library Unit
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Sci - Engr
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Perspects Regarding the Most Efficient
Utilization of Water Sources in Barnaul,
by V. M. Gavrilenko, 5 pp.

RUSSIAN, per, Vodosnabzheniye i San Tekh,
1958, pp 31-33. (Call No TD, v87,
1958, No 8, K Tr).

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A New Method of Sealing Joints in Concrete and
Pneumo-Concrete Pipes, by B. I. Andreyev. USSR

RUSSIAN, per, Voenno-tekhnicheskii i San Tekh,
No 2, 1958, pp 35.

DSIR Lending Library Unit
M. 150

Sci - Engr
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Glass Concrete Boating Panels, by Evak A. Z.
Ivyansky. UNCL

RUSSIAN, per, Voenno-morskoye i San Takh,
No 3, 1958, pp 15-21.

DSIR Lending Library Unit
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Sci - Eng
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85,107

Washing Contact Clarifiers (Filters), by A. M.
Fominykh, 8 pp.

USSR, per, Vodosnabzhenie i Sanitarnaya Tekhnika,
No 3, Moscow, Mar 1958, pp 31-35. Publ by the State
Publishing House on Construction and Architectural
Literature.

AMS Lib Tr

Sci - Engineering
Sep 58

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RUSSIAN, per, Vodosnabzhenie i. Sanitarnaya Tekhnika,
No 5, Apr 1958.

AMS Lib Tr

Sci - Engineering
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RUSSIAN, per, Vodosnabzhenie i Sanitarnaya Tekhnika,
No 5, May 1958.

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Sci - Engineering
Sep 58

New Approximate Formulae for Heat Calculations
on Heat Exchangers, by E. P. Shubin, 11 pp.

RUSSIAN, per, Vodosnabzhenie i Sanitarnaya
Tekhnika, Moscow, No 5, 1958, pp 1-5.

Engr Res Devel Lab
E-142

Sci - Engr

Dec 58

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Intercepting Condensate and Atomspheric Deposits,
by I. A. Kudakov, 2 pp.

RUSSIAN, per, Vodosnabzhenie i Sanitarnaya Tekhnika,
No 5, Moscow, 1958, pp 12, 13.

Engr Res Devel Lab
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Sci - Phys

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Determination of Turbidity of Water Using the
PEKH-54 Micro-Colorimeter-Nephelometer, by
A. G. Zhirnova, 4 pp.

RUSSIAN, per, Vodopriborostroyeniye i Sankarnaya
Tekhnika, No 5, Moscow, 1958, pp 18-20.

Engr Res Devel Lab
E-144

Sci - Chem, Engr

Dec 58

77,769

On the Question of Using Drinking-Water Reservoirs
for Purposes of Physical Culture and Sport, by L.
Yo. Korsh. UNCL

RUSSIAN, per, Voenno-sborniki i San Tekh, No 5,
1958, pp 20-23.

DAIR Lending Library Unit
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Engineering.

RUSSIAN, per, Vodosnabzhenie i Sanitarnaya Tekhnika,
No 6, Moscow, 1958, publ the State Publishing House
of Construction and Architectural Literature.

Engr Res Devel Lab
T-326

Sci - Engr

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Table of Contents: Water Supply and Sanitary
Engineering.

RUSSIAN, per, Vodosnabzhenie i Sanitarnaya Tekhnika,
No 7, Moscow, 1958, publ by the State Publishing
House of Construction and Architectural Literature.

Engr Res Devel Lab
T-375

Sci - Engr

Dec 58

Table of Contents: Water Supply and Sanitary Engineering.

RUSSIAN, per, Vodosnabzhenie i Sanitarnaya Tekhnika,
No 8, Moscow, 1958, publ by the State Publishing
House of Construction and Architectural Literature.

Engr Res Devel Lab
T-360

Sci - Engr

Dec 58

Table of Contents: Water Supply and Sanitary Engineering

RUSSIAN, per, Vodosnabzhenie i Sanitarnaya Tekh,
No 9, 1958, publ by the State Publishing House of Con-
struction and Architectural Literature, Moscow, USSR.

Engr Res Devel
Lab T-388

Sci - Engr

Dec 58

Coefficients of Resistance of Large Diameter
Valves and Throttle Valves, by L. E. Rode. UGOL.

RUSSIAN, per, Vodosnabzheniye i San Tekh.
No 9, 1958, pp 10-14.

DSIR LLU RTS 1267

(E 10s. Od.)

Sci - Engr
Feb 60

107,251

Table of Contents: Water Supply and Sanitary Engineering

RUSSIAN, per, Vodosnabzhenie i Sanitarnaya Tekh, No 10,
1958, publ by the State Publishing House of Construction
and Architectural Literature, Moscow, USSR.

Engr Res Devel
Lab T-389

Sci - Engr

Dec 58

An Investigation Into the Properties of Effluents
From the Gas Purification of Ferro-Manganese Cast-
Irons and Methods of Rendering Them Harmless, by
I. W. Omiganov. USSR

RUSSIAN, per, Vostochnabsheniye i San Tekh, No 10,
1958, pp 24-27.

DSIR Lending Library Unit
M. 116

Sci - Phys
Apr 59

SLA-59-18735

85,101

On the Question of the Hydraulic Rating of
Secondary Vertical Sedimentation Tanks, by
S. L. Bakharevsky. UNCL

RUSSIAN, per, Vodostokovaniye i San Tekh,
No 10, 1958, pp 27-30.

DSIR Lending Library Unit
M. 117

Sci - Engr
Apr 59

85,102

New Method of Joining Cast-Iron Pipes, by
S. H. Lisitsin. UNCL

RUSSIAN, per, Vodost i San Tekh, No 1, 1959,
pp 38, 39.

DSIR LIU (loan) M.321

SIA 59-19177

NLL M.321

Sci - Engr

Jul 59

90, 158

61-23362

Moshnin, L. F.
STARTING OF PUMPS WITH GATE VALVES OPEN,
AND THE PROVISION OF CHECK VALVES IN
DELIVERY LINES (O Pyske Nasosov na Otkrytuyu
Zadvizhky i Ustanovke Obratnykh Klapanov na
Napornykh Linnyakh). [1951] [10]p. [DSIR LLU]
M. 2970.

Order from OTS or SLA \$1.10

61-23362

Trans. of Vodosnabzheniye i Sanitarnaya Tekhnika
(USSR) 1959, no. 12, p. 1-3.

DESCRIPTORS: Water, *Pumps, Starting, *Gate
valves, *Check valves, Valves.

Considerations show that for pumping stations of water-
supply systems equipped with several pumps, working
in parallel and supplying water directly to consumers
or regulating storages of small volume, it may be in-
expedient to dispense with check valves in a number of
cases. For such stations, it is better to provide check
(Engineering--Sanitation, TT, v. 6, no. 3) (over)

I. Moshnin, L. F.
II. DSIR LLU M. 2970

175375

Office of Technical Services

Nikomarov, G. M.
ON THE PROVISION OF CHECK VALVES AFTER
PUMPS (Ob Ustanovke Obratnykh Klapanov Posle
Nasosov). [1961] [6]p. [DSIR LLU] M 2971.
Order from OTS or SLA 51.10 61-23361

Trans. of Vodosnabzheniye i Sanitarnaya Tekhnika
(USSR) 1959, no. 12, p. 4-5.

DESCRIPTORS: *Check valves. *Pumps, Effectiveness.

Experience suggests that it is to dispense with check
valves, either immediately after the pumps or in the
adjacent sections of delivery pipes for all pumping
stations which have a reception reservoir or chamber
with reliable overflow device.

(Engineering--Civil, TT, v. 6, no. 3)

61-23361

- I. Title: Pumping station
- I. Nikomarov, G. M.
- II. DSIR LLU M. 2971

179375

Office of Technical Services

Talashchenko, A. F.
STARTING OF CENTRIFUGAL PUMPS WITH OPEN
GATE VALVE IN THE DELIVERY LINE (Pusk
Tsentrobezlmykh Nasosov pri Otkrytoy Zadvizhke na
Napornoy Linii). [1961] [6]p. 2 refs. [DSIR LLU]
M 2972.

Order from OTS or SLA \$1. 10 61-23360

Trans. of Vodosnabzheniye i Sanitarnaya Tekhnika
(USSR) 1959, no. 12, p. 5-6.

DESCRIPTORS: *Centrifugal pumps, Operation, Gate
valves, Hydraulic valves.

Since the starting of a pump with the gate valve open
considerably simplifies the automation scheme of
pumping stations, and to some extent simplifies and
cheapens the equipment, it should be more widely
adopted in water supply systems, and this should be
borne in mind in the revision of current standards and
technical conditions for the design of water supply
systems. (Author)

61-23360

I. Talashchenko, A. F.
II. DSIR LLU M. 2972

175873

Office of Technical Services
(Engineering--Mechanical, TT,
v. 6, no. 3)

61-23359

Timofeyeva, Ye. T.
OPERATION OF CHECK VALVES ON SWITCHING
OFF THE PUMPS (Rabota Obratnykh Klapanov pri
Vykiyuchenii Nasosov). [1961] [14]p. 1 ref. [DSIR LLU]
M 2973.

Order from OTS or SLA \$1.60

61-23359

Trans. of Vodosnabzheniye i Sanitarnaya Tekhnika
(USSR) 1959, no. 12, p. 6-II.

DESCRIPTORS: Water, Pumps, *Check valves,
Operation.

The data provided show that to make possible the start-
ing of a pump with the gate valve open, it is necessary
to examine the closure condition of the check valve and
to choose a design of check valve with this in mind, re-
sorting in unavoidable cases to the provision of a by-
pass line for the valve, as has been done at the Stalin
station of the Moscow waterworks.
(Engineering--Sanitation, TT, v. 6, no. 3)

I. Timofeyeva, Ye. T.
II. DSIR LLU M. 2973

175873

Office of Technical Services

61-23358

Karavayev, Yu. I.
HYDRAULIC RESISTANCE OF EXPANSION JOINTS
(O Gidravlicheskom Soprotivlenii Kompensatorov).
[1961] [4]p. [DSIR LLU] M. 2974.
Order from OTS or SLA \$1. 10 61-23358

Trans. of Vodosnabzheniye i Sanitarnaya Tekhnika
(USSR) 1959, no. 12, p. 11.

DESCRIPTORS: *Expansion joints. Tests, Hydraulic
couplings

Experimental values are tabulated for the rates of
flow, the loss of head (pressure), and the coefficient
of local resistance in one-sided gland type joints in
600-mm diam pipe lines.

(Engineering--Mechanical, TT, v. 6, no. 3)

I. Karavayev, Yu. I.
II. DSIR LLU M. 2974

175371

Office of Technical Services

Yakovlev, S. V. and Galanin, P. I.
INVESTIGATION OF THE OPERATION OF A BIO-
COAGULATOR ON SLUDGE FROM BIOFILTERS
(Issledovaniye Raboty Biokoagulyator na Ite Posle
Biofiltrov). [1961] [8]p. [DSIR LLU] M 2975.
Order from OTS or SLA \$1.10 61-23357

Trans. of Vodosnabzheniye i Sanitarnaya Tekhnika
(USSR) 1959, no. 12, p. 11-13.

DESCRIPTORS: *Sewage, *Sanitary engineering,
*Sedimentation, *Coagulation, *Blowers, *Water
filters; Tests.

(Engineering--Sanitation, TT, v. 6, no. 4)

61-23357

1. Title: Sludge
2. Title: Biocoagulator
3. Title: Biofilter
- I. Yakovlev, S. V.
- II. Galanin, P. I.
- III. DSIR LLU M.2975

177717

Office of Technical Services

61-23356

Ozherel'eva, M. N.
PURIFICATION OF WASTE WATER FROM A WOOL
SCOURING WORKS (Ochistka Stoknykh vod Fabriki
Pervichnoy Otkraboiki Shersti). [1961] [6]p. 1 ref.
[DSIR LLU] M 2976.
Order from OTS or SLA \$1. 10

61-23356

Trans. of Nauchno-issledovatel'skaya i Sanitarnaya Tekhnika
(USSR) 1959, no. 12, p. 14-15.

DESCRIPTORS: Purification, Water supplies, Sanitary
engineering, *Chemical waste, *Woolen textiles
*Textile industry.

I. Ozherel'eva, M. N.
IL DSIR LLU M. 2976

175320

Office of Technical Services

(Engineering--Sanitation, TT, v. 6, no. 3)

61-23354

Farforovskii, B. S.
FULL-SCALE INVESTIGATIONS OF WATER-COOL-
ING RESERVOIRS (Natura nye Issledovaniya Prudov-
Okhladiteley). [1961] [11]p. [DSIR LLU] M 2978.
Order from OTS or SLA \$1.60 61-23354

Trans. of Vodosnabzheniye i Sanitarnaya Tekhnika
(USSR) 1959, no. 12, p. 19-22.

DESCRIPTORS: *Water supplies, Cooling, Electric
power production, Power plants, Wind, Temperature,
Heat transfer.

Investigations of water-cooling reservoirs of large
size, characteristic of large electric power stations,
have shown the considerable influence of the wind both
on the movement of the transit stream and on the dis-
tribution of the temperatures of the water. At high
wind speeds, equalisation of the temperature was ob-
served over the area of the reservoir and in the verti-
cal direction, due to the mixing of the water of the
(Engineering--Mechanical, TT, v. 6, no. 3) (over)

I. Farforovskii, B. S.
II. DSIR LLU M. 2978

175369

Office of Technical Services

Sakun, A. N.
EXAMPLES OF REDUCING THE CONSTRUCTIONAL
COSTS OF SEWERAGE AND WATER-SUPPLY IN-
STALLATIONS IN THE PLANNING PRACTICE OF
THE UKRGIPROPROD (Primery Snizheniya Stoinosti
Stroitel'stva Kamalizatsionnykh i Vodoprovodnykh
Sooruzhenii v Praktike Proektirovaniia Ukgiproroda).
[1961] [13]p. 1 ref. [DSIR LLU] M 2977.
Order from OTS or SLA \$1.60

61-23355

Trans. of Yodoanabzhenie i Sanitarnaya Tekhnika
(USSR) 1959, no. 12, p. 15-18.

DESCRIPTORS: *Sewage, *Sanitary engineering,
*Water supplies, Construction, Costs, USSR.

(Engineering--Civil, TT, v. 6, no. 4)

61-23355

I. Sakun, A. N.
II. DSIR LLU M.2977

177716

Office of Technical Services

Yakimov, L. K.
NEW THERMAL INSULATION MATERIALS FOR
UNDERGROUND HOT-WATER PIPES (Novyye
Teploizolyatsionnyye Materialy dlya Podzemnykh
Teploprovodov). [1961] [13]p. [DSIR LLU] M 2979.
Order from OTS or SLA \$1.60 61-23353

Trans. of Vodosnabzheniye i Sanitarnaya Tekhnika
(USSR) 1959, no. 12, p. 22-23.

DESCRIPTORS: *Thermal insulation, *Insulating
materials, Tests, *Pipes, Heating, Moisture,
Thermocouples, Conductivity, Density.

Insulation materials were examined that were made
according to asphalt technology from petroleum
bitumen and powders of different materials: from
electrofilters, peat ash, clay and lime.

(Materials, TT, v. 6, no. 4)

61-23353

L. Yakimov, L. K.
IL DSIR LLU M. 2979

177715

Office of Technical Services

Babel', Ye. G.
LAYING OF PIPING WITHOUT CONDUITS FOR DISTRICT HEATING NETWORKS (K Voprosu o Bezkanal'noy Napkladke Teplovykh Setey). [1961] [5]p.
[DSIR LLU] M 2980.
Order from OTS or SLA \$1.10

61-23352

Trans. of Vodosnabzheniye i Sanitarnaya Tekhnika (USSR) 1959, no. 12, p. 26.

DESCRIPTORS: Heating plants, *Pipes, Installation, Pipe fittings.

Advantages and disadvantages are summarized of the method proposed by B. V. Lopatyn and A. A. Lyamin (Vodosnabzheniye i Sanitarnaya Tekhnika 1958, no. 12) for laying pipes in a sand-cement mixture.

(Engineering--Sanitation, TT, v. 6, no. 3)

61-23352

I. Babel', Ye. G.
II. DSIR LLU M.2980

175866

Office of Technical Services

Glushkov, L. A.
AIR SUPPLY INSTALLATION WITH COOLING OF
THE AIR (Pritochnaya Ustanovka s Okhlazhdeniyem
Vozdukha). [1961] [7]p. [DSIR LLU] M 2981.
Order from OTS or SLA \$1.10 61-23351

Trans. of Yodsnabzheniye i Sanitarnaya Tekhnika
(USSR) 1959, no. 12, p. 27-28.

DESCRIPTORS: Industrial plants, Cooling. *Refrigeration systems, Effectiveness.

61-23351

I. Glushkov, L. A.
II. DSIR LLU M.2981

175367

Office of Technical Services

(Engineering--Mechanical, TT, v. 6, no. 3)

61-23350

L DSIR LLU M. 2982

CHANGES IN STANDARDS (ACCORDING TO "INFORMATSIONNY YKAZATEL' STANDARTOV", NO. 6, 1959) (Izmeneniya v Standartakh po "Informatsionnomu Ykazatelyu Standartov", no. 6, 1959) [1961] [5]p.

[DSIR LLU] M 2982.

Order from OTS or SLA \$1.10

61-23350

Trans. of Vodosnabzhenie i Sanitarnaya Tekhnika (USSR) 1959, no. 12, p. 28-29.

DESCRIPTORS: *Pipes, Standards, USSR

176651

Office of Technical Services

(Engineering--Mechanical, TT, v. 6, no. 6)

Kalyashin, N. V.
PREVENTION OF BOILER ACCIDENTS IN BOILER
HEATING INSTALLATIONS (Preduprezhdeniye Avari
v Otopitel'nykh Kotel'nykh). [1961] [10]p. [DSIR LLU]
M 2983.

Order from OTS or SLA \$1.10

61-23349

Trans. of Vodosnabzheniye i Sanitarnaya Tekhnika
(USSR) 1959, no. 12, p. 29-31.

DESCRIPTORS: *Boilers, *Accidents, Operation,
*Safety, *Safety devices.

A few typical cases of accidents are described. (See
also 61-23348)

(Engineering--Safety, TT, v. 6, no. 3)

61-23349

I. Kalyashin, N. V.
II. DSIR LLU M. 2983

175366

Office of Technical Services

Natkovich, M. A.
LIMITING THE HOT-WATER TEMPERATURE IN
"ENERGIYA" STEAM WATER-HEATERS (Ob
Organicheniy Temperatury Nagreva Vody v
Parovodonagrevatelyakh "Energiya"). [1961] [7]p.
[DSIR LLU] M 2984.
Order from OTS or SLA \$1.10

61-23348

Trans. of Vodosnabzheniye i Sanitarnaya Tekhnika
(USSR) 1959, no. 12, p. 31-32.

DESCRIPTORS: *Water, *Temperature control,
*Boilers.

The article was published to draw attention to serious
short-comings in the operation of boilers and steam
water-heaters working at low pressures in the USSR.
(See also 61-23349)

(Engineering--Mechanical, TT, v. 6, no. 3)

61-23348

I. Natkovich, M. A.
II. DSIR LLU M.2984

175865

Office of Technical Services

61-23347

Bulygin, P. M.
DEVICE FOR ASSEMBLING ASBESTOS-CEMENT
PIPES (Prisposobleniye dlya Montazha Asbestotsement-
nykh Trub). [1961] [3 p. [DSIR LLU] M 2985.
Order from OTS or SLA \$1.10 61-23347

Trans. of Vodosnabzheniye i Sanitarnaya Tekhnika
(USSR) 1959, no. 12, p. 33.

DESCRIPTORS: *Pipes, *Asbestos fiber, *Cements,
*Jacks (Mechanics).

I. Bulygin, P. M.
II. DSIR LLU M. 2985

175364

Office of Technical Services

(Machinery--Manufacturing, TT. v. 6, no. 3)

APPLICATION OF HEXAMETAPHOSPHATES IN
WATER PURIFICATION [AND] EMERGENCY WATER
RESERVE FOR FIRE FIGHTING PURPOSES
(O Primenenii Geksametafosfatov dlya Ochistki Vody
[and] O Neprikosnovennom Pozharnom Zapase Vody).
[1961] [5]p. 1 ref. [DSIR LLJ] M 2986.
Order from OTS or SLA \$1.10

61-23346

Trans. of Vodosnabzhenie i Sanitarnaya Tekhnika
(USSR) 1959, no. 12, p. 33-34.

DESCRIPTORS: Water, *Purification, *Phosphates,
Corrosion, *Water supplies, USSR, Fires.

(Engineering--Sanitation, TT, v. 6, no. 10)

61-23346

- I. Title: Emergency ...
- II. DSIR LLJ M.2986

007328

Office of Technical Services

61-23345

Travin, Ye. G.
INCREASING THE OUTPUT OF SHAFT WELLS BY
DRIVING RADIAL DRAINS WITHOUT EXCAVATION
(Uvelicheniye Proizvoditel'nosti Shakhtnykh Kolodtsev
Putem Bestransheynoy Prokladki Radial'nykh Dren).
[1961] [9]p. 2 refs. [DSIR LLU] M 2987.
Order from OTS or SLA \$1.10

61-23345

Trans. of Vodosnabzheniye i Sanitarnaya Tekhnika
(USSR) 1959, no. 12, p. 34-36.

DESCRIPTORS: *Water, Sources. *Sanitary engineering
Drainage.

The method of constructing shaft wells, as carried out
at the Leipzig pumping station of Naunhof (German
Democratic Republic) is described.

(Engineering--Sanitation, TT, v. 6, no. 4)

I. Travin, Ye. G.
II. DSIR LLU M.2987

177714

Office of Technical Services

61-23232

INTERNATIONAL CONFERENCE ON HEATING,
VENTILATION AND AIR-CONDITIONING [AND]
SCIENTIFIC SEMINAR ON HEATING-GAS SUPPLY
AND VENTILATION IN KIEV (NO. 100) (Internatsio-
nal'noye Soveshchaniye po Otopleniyu, Ventilatsii i
Konditsionirovaniyu Vozdukh [and] Sotyy Nauchnyy
Seminar po Teplogazosnabzheniyu i Ventilatsii v Kiev)
[1961] [6]p. [DSIR LLU] M 2988.
Order from OTS or SLA \$1.10

61-23232

Trans. of Vodosnabzheniye i Sankarnaya Tekhnika.
(USSR) 1959, no. 12, p. 36-37.

DESCRIPTORS: Heating, *Ventilation, Civil engineer-
ing, Conferences, Sanitary engineering, *Air con-
ditioning equipment.

The first conference took place in May, 1959 in Paris.
The second was held in Kiev from 4 to 6 June 1959.

(Engineering--Mechanical, TT, v. 6, no. 3)

I. Title: Scientific...
II. DSIR LLU M. 2988

Office of Technical Services

61-23233

L DSIR LLU M. 2989

[WATER SUPPLY AND SANITATION ENGINEERING]
ANNOTATED LITERATURE REFERENCE FROM
FOREIGN JOURNALS [AND] INDEX FOR 1959. [1961]
[17]p. [DSIR LLU] M 2989.
Order from OTS or SLA \$1.60

61-23233

Trans. of Vodosnabzhenie i Sanitarnaya Tekhnika (USSR)
1959, no. 12, p. 37-41.

DESCRIPTORS: *Sanitary engineering, Plumbing
fixtures, Pipes, Water supplies, Water, Purification,
Bibliography, Periodicals, Indexes.

Compiled by the Central Scientific and Technical
Library for Building and Architecture, Moscow.

180589

Office of Technical Services

(Engineering--Sanitation, TT, v. 6, no. 5)

(DC-435^h)

Eighteenth Scientific Conference of the
Leningrad Institute of Construction Engineers, by
M. I. Ass, L. D. Pashkov, 5 pp.

RUSSIAN, per, Vodosnabzheniye i San Tekh, No 6,
1960, pp 37, 38.

JPRS 6134

USSR

Econ
Oct 60

130,824

(SF-1879)

Experimental Investigation of the Application of
Ultrasonic Waves for Water Disinfection, by L. I.
El'piner, 7 pp.

RUSSIAN, per, Vodosnabzheniye i San Tekh, No 8,
1960, pp 27-30.

JPRS 10666

Sci - Phys

174,049

Nov 61

More Attention Must Be Paid to Engineering
Construction Contributing to the Welfare
of Teams and Localities, by M. V. Vershinin,
8 pp.

RUSSIAN, per, Vodosnabzheniye i San Tekh,
1961, pp 2-4. (Call No TD4, V87, 1961,
No 9.)

AMS

184,591

USSR
Econ
19 Feb 62

(~~NY~~ NY-6356/1)

Automatic Super-Rapid Filtering Station, by
Z. K. Kiseleva, 15 pp.

RUSSIAN, per, Vodosnabzheniya i San Tekh,
No 3, 1961, pp 1-6.

JPRS 9547

Sci - Engr

160,043

Jul 61

(NY-6356)

Conference on Air Conditioning in Industrial
and Community Buildings, by B. V. Barkalov,
Ye. Ye. Karpis, 5 pp.

RUSSIAN, per. Vodosnabzheniya i Sanitarnaya
Tekh, No 3, 1961, pp 39, 40.

JPRS 9537

USSR

160,123

Econ - Soc

Jul 61

(NY-6608)

Basic Principles of Air Conditioning in
Surgical Operating Rooms, by Ye. Ye.
Karpis, B. S. Simonovich, M. I. Sosis,
9 pp.

RUSSIAN, per, Vodosnabzheniye i San Tekh,
No 5, 1961, pp 35-38.

JPRS 10444

Sci - Med
Nov 61

174,614

(SF-1878)

Conference on Automation and Remote Control
of Water Supply and San Sewer Systems and
Constructions, 10 pp.

RUSSIAN, per, Vodosnabzheniye i San Tekh, N
No 10, 1961, pp 37-40.

JPRS 13670

USSR

Econ

Sci - Engr

May 62

193,505

(SF-1876)

Conference on the Use of Flocculants with
High Molecular Weight for Purifying Drinking
Water, 4 pp.

RUSSIAN, per, Vodopribzheniye i San Tekh,
No 10, 1961, p 40.

JPRS 13670

Sci - Chem

193,506

May 62

The Work of an Industrial Apparatus for
Defluoridating Drinking Water, by E. F. Zolotova.

RUSSIAN, per, Vodosnabzheniye i San Tekh, No 6,
1962, pp 12-15.

NIL RTS 2213
(loan)

238,169

Sci -
Jul 63

Results Achieved by the Technical Sanitation
Industry During the Four Years of Seven-Year Plan,
by A. A. Biryukov, N. A. Ignat'yev, 7 pp.

RUSSIAN, per, Vodosnabzheniye i San Tekh, No 2,
1963, p 3. (Call No TD4 487 No 2 Eng Tr)

Army Map Service

USSR
Econ
Jul 63

Laying Pipeline Facilities in Permafrost Soils
of Noril'sk, by M. V. Kim, 6 pp.

RUSSIAN, per, Vodosnabzheniye i Sanit Tekh,
No 7, 1963, pp 11-13.

ACSI I-3905
ID 2253815

Sci - Engr
Jan 64

248,307

New Standard Designs for Large-Capacity
Water-Purification Plants, by V.I. Filippov,
10 pp.

RUSSIAN, per, Vodosnabzheniya i Sanitarnaya
Tekhnika, No. 5, Moscow, 1964.
JPRS 44,309

Sci.;Mech.,Ind., Civil
and Marine Engineering
Feb 68

350,212

Water Supply of Railroads in Permafrost Regions,
by M. I. Sumgin, N. N. Genyev, A. M. Chekotillo

RUSSIAN, bk, Vodosnabzheniye Zhelez Dorog v Raion
Vechnoi Mersloty, Moscow 1939. CIA V 4999

OCE Tr 28

Sci Tr Center RT3377

Scientific - Geophysics

21,429

Table of Contents, by V. A. Sulin, (ID 438744).

RUSSIAN, book, Vody Neftyannykh Mestorozhdeniy
v Sisteme Prirodnykh Vod., Gostoptekhnizdat,
Moscow, 1946.

OQNI Tr

USSR

Scientific - Miscellaneous

Geology - Ground waters

Jun CTR 20,332

Budyko, M. I., ed.

A. I. VOEIKOV AND PROBLEMS IN CLIMATOLOGY:
SELECTED ARTICLES. 1963, 92p. 220 refs.

PL-480 Comm.

Order from OTS \$1.00

61-11463

Trans. of mono. A. I. Voeikov i Sovremennye
Problemy Klimatologii, Leningrad, 1956 [p. 45-83,
175-192, 226-261].

DESCRIPTORS: *Climatology, Atmosphere, Moisture,
Evaporation, Precipitation, Atmospheric motion,
Meteorological parameters, Thermal radiation,
Agriculture, Climatic factors.

Contents:

The water balance in the atmosphere, by O. A. Drozdov
Modern views on the general circulation of the atmos-
phere, by Kh. P. Pogosyan

(Earth Sciences--Climatology, TT, v. 9, no. 9) (over)

61-11463

I. Budyko, M. I.

II. Voeikov, A. I.

III. PL-480 Comm (61-11463)

IV. National Science Founda-
tion, Washington, D. C.

Office of Technical Services

Experimental Tick Relapsing Fever in the Jackal,
by G. V. Serdyukova, 7pp
RUSSIAN, per, Voenno-Meditsinskaya Akademiya,
Trudy, Vol 18, 1939, pp 51-57
OTS TT-64-15690

Sci - Biol
June 67

328,827

Sokolovskii, V. D., ed.
SOVIET MILITARY STRATEGY, tr. and annotated by
Herbert S. Dinerstein and others. 1963, 1v.
Order from Prentice-Hall, Inc., Englewood Cliffs,
N. J. \$7.50 plus postage

Trans. of mono. [Voennaya Strategiia, Moscow, 1962,
457p.].

Another trans. is available from OTS or SLA \$26.00 as
63-15025, FTD-TT-62-1289, 20 Nov 62 [618p.].

DESCRIPTORS: *Political science, Communism,
Economics, Military intelligence, Warfare, *Armed
forces (Foreign), Leadership, *Armed forces opera-
tions, *Strategic materials, *War potential, Satellite
vehicles, National defense, Civil defense systems,
Foreign policy, Economic warfare, Nuclear weapons.

(Engineering--Ordnance, TT, v. 10, no. 5)

63-17544

- I. Sokolovskii, V. D.
- II. Prentice-Hall, Inc.,
Englewood Cliffs, N. J.

Office of Technical Services

The Ob', Lake Aral, Caspian, by V. Yarosh, L. Fedorov.

RUSSIAN, per, Vokrug Sveta, No 6, 1949, pp 33-36.

USSR-Geogr *AEC
Sci
Apr 60